



the specification

In the second paragraph beginning "Through a control system" on page 11, line 15, change "53" to "60:"

Through a control system such as that illustrated in Figure 1, the combination of a sensor sensing position and movement of the piston, directly or indirectly, with a variable actuator allows for extreme versatility in dispensing. As illustrated, a power supply 50 provides power both to the 15 position sensor assembly 51 and an amplifier 52 providing power to a servo actuator 53-60 or other drive structure driving the actuator. A computer control 57 receives inputs from the position sensor both with respect to a reference signal indicative of LED current photo metric output on line 53 and a position signal on line 54. The control can therefor compensate for LED aging by comparing the signal on line 53 to a base or to a history. The computer 57 may receive both command data inputs 20 55 and control signal inputs and outputs through a bi-directional connection 56. It will be apparent to those skilled in the art that many various subsidiary servo algorithms well known in the art may be employed to provide the various computations to output the desired signals to the actuator. It is believed that standard proportional integral differential (PID) servo algorithms can be utilized to generate desired output signals. The computer control center may, for example, consist of separate 25 programmable controllers and micro controllers with the micro controllers interfacing between command signals from the computer or other programmable controller and output signals to the amplifier in dependent response to received signals from the position sensor.

Clean paragraph 2 on page 11:

Through a control system such as that illustrated in Figure 1, the combination of a sensor sensing position and movement of the piston, directly or indirectly, with a variable actuator allows for extreme versatility in dispensing. As illustrated, a power supply 50 provides power both to the position sensor assembly 51 and an amplifier 52 providing power to a servo actuator 60 or other drive structure driving the actuator. A computer control 57 receives inputs from the position sensor both with respect to a reference signal indicative of LED current photo metric output on line 53 and a position signal on line 54. The control can therefor compensate for LED aging by comparing the signal on line 53 to a base or to a history. The computer 57 may receive both command data inputs 55 and control signal inputs and outputs through a bi-directional connection 56. It will be apparent to those skilled in the art that many various subsidiary servo algorithms well known in the art may be employed to provide the various computations to output the desired signals to the actuator. It is believed that standard proportional integral differential (PID) servo algorithms can be utilized to generate desired output signals. The computer control center may, for example, consist of separate programmable controllers and micro controllers with the micro controllers interfacing between command signals from the computer or other programmable controller and output signals to the amplifier in dependent response to received signals from the position sensor.